

1 we currently measure for ourselves for resale services.

2 In addition to that, we will negotiate any other
3 performance measurements on unbundled network elements that
4 the CLEC wishes to negotiate. We believe they are free to
5 negotiate any kind of additional measurements, and if they
6 are willing to pay for them we will put them in.

7 In no event do we believe that performance
8 standards should be imposed upon a CLEC or an ILEC. They
9 should be required. In fact, the CLEC should be required,
10 if we do have imposed measurements, to provide accurate and
11 detailed forecasts of their volumes.

12 We will, as we have been, continue to negotiate in
13 good faith. We will work individually with CLECs and the
14 industry to provide the interfaces and to provide the
15 functionality that they require for their business.

16 Thank you.

17 MR. WELCH: Thank you, Elizabeth.

18 Wayne Fonteix from AT&T.

19 MR. FONTEIX: Good morning, and thank you for the
20 opportunity to be here today to discuss these issues.

21 Unlike the three previous panelists, I will not
22 begin with a baseball analogy. I will save that for my
23 closing.

24 Yesterday's discussions and the earlier
25 discussions this morning have made it clear that new

1 entrants are completely dependent upon the incumbents for
2 their operation support systems for ordering and
3 provisioning of both total services, resale and unbundled
4 elements, including the combinations and the combination
5 known as the platform.

6 Yesterday's panel also highlighted the fact that
7 the Commission's decision and its Order to require parity of
8 those interfaces was absolutely the right thing to do. Just
9 about all parties seemed to agree on this parity standard.
10 Nowhere is parity more important than in the ordering and
11 provisioning fields.

12 Let's talk about parity for a short time. I ask
13 you to consider parity from three perspectives. First, the
14 assessment of parity. Parity cannot be determined without
15 hard data about how the incumbent provides services and
16 functionalities to itself and its customers vis-a-vis that
17 which it provides to competing LECs. This is the issue
18 around performance benchmarks and reporting.

19 Second, we all agree that the systems that the
20 CLECs and the ILECs use to provide these OSS capabilities
21 are sophisticated, and they cannot be integrated effectively
22 without the full cooperation between two parties.

23 Third, given the way we know the ILECs operate
24 today, parity simply cannot be achieved without the
25 automated flowthrough of ordering and provisioning of

1 information.

2 Let's consider these issues in reverse order.

3 Katheryn Brown yesterday encouraged the industry to develop
4 performance standards based on what the customer wants.

5 AT&T could not agree more strongly. We believe we know what
6 the customer wants. Of course, each company in this room
7 today believes the same thing. In fact, I am sure each
8 company believes they know it better than anybody else in
9 the room, and that is what competition is all about.

10 We all agree, though, that at a minimum the new
11 entrants will need to be able to provide at least the same
12 level of service to those customers, or we will not be able
13 to win and retain those customers. This is where we come to
14 a minimum parity standard for all competitors. It is not
15 possible without the flowthrough of orders similar to the
16 way the incumbents flowthrough their orders in their systems
17 today downstream.

18 How do we achieve this seamless operation of
19 systems? As these systems are integrated, it is essential
20 that the ILECs work cooperatively with the CLECs and that no
21 ILEC be allowed to unilaterally impose the standards for the
22 interfaces nor the standards for the performance.

23 Standards in software are only part of the story.
24 We also need to understand the significance of the business
25 rules, the development and implementation of the business

1 rules, so that we know when we pass an order and we can
2 build into our systems and the systems that support it on
3 the ILEC side of the interface that if in fact the
4 appropriate abbreviation of West Avenue is not W period but
5 the full spelling of W-E-S-T that that order hits an edit
6 before it ever goes through into the incumbent's systems.

7 We need to have that information up front. It
8 needs to be on a parity basis in the edit similar to what
9 the incumbent has in its own systems.

10 Cooperation is necessary in the context of both
11 resale and unbundled elements, and at this point in the game
12 we do not yet have developed agreed upon business rules nor
13 processes for the ordering and provisioning on an automated
14 basis of the combined unbundled network elements. As a
15 result, electronic ordering of a platform is simply not yet
16 available.

17 The ILECs alone will control the degree of
18 difficulty that will be involved in taking the existing
19 resale interface systems, enhancing them to support the
20 unbundled elements and the unbundled elements in
21 combination.

22 Finally, how do we know when we have achieved
23 parity? The issue of measurements. Parity relies on hard
24 data, hard and stable data; not assertions by one party,
25 responses on the part of another, but established

1 performance measures with established performance targets
2 that are stable.

3 The baseline in all cases is what the ILEC
4 provides for itself, either in services or in comparable
5 services where elements can find an analogous representation
6 in services that are offered on a retail basis. The local
7 competition user's group has in fact proposed a limited set,
8 in the neighborhood of 24 measures, that can be applied
9 across resale and unbundled network elements that we believe
10 establishes a benchmark for parity.

11 The stability is an important issue, and let me
12 give you an example of what I mean by the performance
13 measures cannot be fungible. Ameritech has stated, and we
14 agree, that they have instituted some measures for
15 performance. However, those measures, in our assessment, do
16 not capture parity and are not stable.

17 For example, over the course of April, of the
18 orders that AT&T submitted to Ameritech for services resale
19 that were submitted within the established standard interval
20 for due dates, 15 percent of those orders Ameritech
21 unilaterally changed the due date. This is not a stable
22 measure.

23 Let me close with the analogy as proposed on
24 baseball. We know in baseball between first base and second
25 base is exactly 90 feet. It is 90 feet for the home team,

1 and it is 90 feet for the visitors. The base runner knows
2 if he does not get there before the ball, he will be tagged
3 out. The umpire will call that play. The 90 feet does not
4 change.

5 If we do not have established and stable
6 parameters for the benchmarks, think of a baseball game in
7 which the home team can be running to second base, see the
8 throw is going to beat them, and suddenly move the bag up to
9 75 feet, slide in and call themselves safe. We need the FCC
10 to set those bases at 90 feet.

11 Thank you.

12 MR. WELCH: Thank you, Wayne. I am not exactly
13 sure what I started here.

14 Pat Socci, do you want to try a crack at this
15 baseball stuff?

16 MR. SOCCI: Well, I am from New York, so until the
17 Yankees get hot you will not hear any baseball analogies
18 from me, nor football, nor hockey, nor basketball. I am on
19 the defensive this morning, Richard.

20 Good morning. My name is Patrick Socci,
21 vice-president of MIS for Teleport Communications Group,
22 TCG. We are the largest and the most experienced CLEC in
23 the United States.

24 I am very pleased to be here today to speak to you
25 about the roles that OSS can play in ordering and

1 provisioning of unbundled loops. As a facilities based CLEC
2 with its own OSS, TCG's interests in the OSS of the ILECs is
3 perhaps different from others represented here.

4 We see the ILEC OSS as simply a means by which the
5 ILEC will meet its statutory obligations to provide
6 interconnection and unbundled network elements to CLECs with
7 the same level of quality and service that it provides to
8 itself. We call this the performance parity principle, and
9 it is fundamental to the development of local competition.

10 TCG already has its own OSS infrastructure. We
11 have our own customer service representatives, our own
12 network management centers, our own repair technicians and
13 our own billing systems, so we neither want nor need
14 unbundled OSS from the ILEC. On occasion, however, we may
15 choose to purchase an unbundled loop from the ILEC, and we
16 fully expect that the ILEC will process our order in a
17 manner that represents the quality that is at least equal to
18 that which the incumbent provides to itself.

19 Currently unbundled loops are primarily ordered
20 and provisioned manually via fax machines and telephone
21 conversations. When submitted an order, TCG generally must
22 submit the order via facsimile. However, TCG can never be
23 certain that the correct person received the order, that the
24 transmission went through clearly, or even if the fax was
25 ever delivered.

1 Even if such an order were correctly delivered,
2 the ILEC recipient must re-key the information in their own
3 OSS. Such a manual process with multiple failure points
4 cannot be relied upon.

5 The current provisioning processes are also
6 ineffective at delivering equal quality service from the
7 ILECs. Instead of being able to check electronically on the
8 status of installation and testing dates and testing results
9 and capacity measurements, CLECs must telephone the ILEC and
10 request the information verbally. Typically this could
11 involve being put on hold and transferred several times
12 until finally reaching someone who could answer the
13 question. Again, manual processes are simply not up to the
14 task.

15 If an ILEC could install our loops as quickly as
16 it installs its own loops when we order via facsimile, so be
17 it. If an ILEC could give us an installation status or an
18 outage status information orally as quickly as it provides
19 its own folks with the same information electronically, so
20 be it.

21 TCG believes, however, that as order volumes
22 increase, the ILEC's performance will only worsen. TCG
23 believes that the ILECs will not be able to deliver equal
24 quality without electronic bonding of the ILEC's OSS with
25 the CLEC's OSS, and you can be certain the TCG will be

1 diligent in making sure that the ILECs meet their
2 performance parity obligation.

3 In short, the performance parity principle
4 demands, by whatever means, the ILEC must provide
5 interconnection and unbundled elements in a manner that is
6 at least equal in quality to that which the ILEC provides to
7 itself. Parity must be provided for all stages of the
8 interconnection and unbundled element delivery process,
9 including ordering, provisioning, maintenance and repair.

10 It has been TCG's experience that the current
11 processes do not provide such parity and that equal and
12 nondiscriminatory interconnection and unbundled element
13 access is only likely to be achieved through electronic
14 bonding through CLEC and ILEC OSS systems.

15 Finally, it is important and indeed essential to
16 recognize that the industry cannot simply say that the ILECs
17 must deliver OSS bonding and once it is operational then all
18 is well and the job is done. Effectively OSS processes are
19 necessary for a variety of other essential network
20 relationships to function effectively and fairly.

21 Electronic bonding of OSS systems means simply
22 that the information can flow promptly and accurately
23 between the CLECs and the ILECs. If the ILECs are delayed
24 or inept in installing, maintaining or repairing unbundled
25 elements, then the prospects for a robust and fair

1 competitive market will be diminished.

2 Thank you.

3 MR. WELCH: Thank you, Pat. In addition to all
4 the carriers on the panel, we are fortunate to have a
5 representative from a vendor today, Venkates Swaminathan.

6 MR. SWAMINATHAN: Thanks, Richard.

7 Being from where I am, I have to avoid the
8 baseball analogies because I do not know baseball well
9 enough, so I am going to keep away from it.

10 Thanks for inviting us to be part of this panel.
11 What I will be talking about here in this statement is
12 basically Telesphere Solution's point of view on some of
13 these issues that have been raised here regarding operations
14 support systems and their interconnection with a specific
15 focus on ordering and provisioning issues.

16 Basically Telesphere's point of view on this issue
17 starts from the premise that OSS interconnection is a matter
18 for software to handle as far as possible and humans to be
19 involved in as little as possible. We call these systems
20 OSS interconnection systems.

21 At the platform level, Telesphere believes that
22 ILEC and CLEC OSS interconnection systems should have
23 certain critical features that will make OSS interconnection
24 initiative successful. These features are technological
25 fundamentals, we believe, to insure smooth, automated

1 exchange of information between ILECs and CLECs. They
2 include six features.

3 The first and most important is scaleability.
4 Scaleability is important so that as competition grows and
5 order volumes increase, OSS interconnection systems are able
6 to grow with them.

7 The second feature is transaction integrity. OSS
8 interconnection systems must be able to insure especially
9 for ordering and provisioning transactions that a
10 transaction is either completed or entirely rolled back.

11 Third is integrated reporting. OSS
12 interconnection systems must be able to produce reports
13 indicating, for example, which orders were processed, why an
14 order was rejected, what the average and maximum order
15 processing times were by trading partner and order
16 complexity, and what the availability of the OSS
17 interconnection system was over a period of time.

18 Fourth is availability. OSS interconnection
19 systems must be highly available to allow high levels of
20 customer service.

21 Fifth is automated connections to internal ILEC
22 and CLEC processes. We believe that this is very crucial to
23 provide the kind of performance that is needed to create
24 high service levels high enough for competition to be
25 viable. This is important, we believe, both on the ILEC end

1 and the CLEC end. The connection to the internal operations
2 of both systems must be automated as far as possible and
3 involve human intervention as little as possible.

4 Sixth is support for multiple interface standards.
5 The industry is using a variety of different interfaces
6 right now, both in terms of data formats, as well as
7 transport and in terms of application definitions. For
8 example, there is electronic data interchange, there is the
9 Web, there is ECLite, and they are all in use today for
10 ordering and provisioning. Carriers need to be able to
11 support multiple interface types on the same interconnection
12 platform.

13 Specifically for resale and unbundled network
14 elements, standards are being defined today by industry
15 bodies like the ordering and billing forum and the
16 telecommunications industry forum. We believe that use of
17 such standards is critical in providing CLECs with a cost
18 effective and manageable way to offer local service and in
19 providing ILECs with clear guidelines on what they need to
20 do.

21 Finally, I would like to make a point about
22 independent software vendors like us. We believe that
23 independent software vendors like Telesphere Solutions have
24 a major role to play in this process. Products such as
25 PowerGate, our run time and development environment for OSS

1 interconnection systems, are being used by a number of ILECs
2 and CLECs to improve service levels and time to market.

3 In general, by leveraging infrastructure products
4 focused on electronic communications for telecommunication
5 service providers, vendors can substantially lower the cost
6 of deploying OSS interconnection systems for both ILECs and
7 CLECs and consequently create higher levels of automation
8 and service.

9 Thanks.

10 MR. WELCH: Thank you.

11 Now we will turn to the next phase of the program,
12 which is presenting the panelists with some questions.
13 Hopefully we will get some back and forth among the
14 panelists.

15 Stuart, let's start off with you. What types of
16 electronic interfaces do you think meet the legal standards
17 of Section 251 and the Commission's rules? Do these
18 interfaces provide machine to machine interconnection such
19 as flowthrough?

20 Based on your experience so far, what is your
21 evaluation of the various methods of access of interfaces
22 either in use now or proposed for ordering and provisioning
23 activities in terms of their ability to provide
24 nondiscriminatory access?

25 I can repeat some of those as we go along, if you

1 would like.

2 MR. KUPINSKY: I just want to remind everyone of
3 the caveat I started out with.

4 MR. WELCH: Which was that?

5 MR. KUPINSKY: These are my comments and not the
6 Department's.

7 I think you can start out as far as Section 251 is
8 concerned with the two standards that the Commission
9 articulated, and that is the nondiscriminatory access
10 standard and the meaningful opportunity to compete standard.

11 If you apply those standards as you go through and
12 consider the interfaces, you come out with different
13 outcomes depending on which interfaces you are talking about
14 and which CLECs you are talking about.

15 For example, a terminal emulation interface might
16 be appropriate for smaller carriers. That type of
17 interface, though it does not allow you to electronically
18 transfer information from your OSSs to the interface or vice
19 versa, may still be appropriate for a small carrier that
20 does not have its own OSSs. This may provide
21 nondiscriminatory access and a meaningful opportunity to
22 compete.

23 I guess with regard to larger carriers who have
24 their own OSS systems, this same sort of terminal emulation
25 or GUI interface, that type of interface, may be

1 inappropriate because they are not able to populate their
2 own databases at the same time as placing orders as the
3 incumbent can.

4 For larger carriers, I think the proper way to
5 interpret Section 251 and the Commission's rules is to
6 require the more robust application to application
7 interfaces such as EDI. We heard an excellent discussion of
8 why the standardization of those interfaces is so important.
9 For larger carriers, I think an application to application
10 interface is the proper interface under the Commission's
11 rules.

12 As far as the legal interpretation is concerned, I
13 wholeheartedly agree with Liz that a combination of these
14 interfaces is probably the way to satisfy one's obligations
15 because if you have a combination of the terminal emulation
16 or GUI interfaces and standardized application to
17 application interface, you have sort of covered all your
18 bases.

19 As far as the experience to date, I think what we
20 have seen in the industry and what I have seen is that the
21 introduction of manual processing in its various forms at
22 any stage of the ordering process introduces significant
23 problems. There is the potential for significant errors and
24 delays in processing orders and provisioning resale services
25 and unbundled network elements.

1 I think I would disagree with the panelists that
2 suggested that the flowthrough is only important with regard
3 to the interface. As I said in my opening comments, I think
4 you have to look at both pieces of this puzzle.

5 We have seen some very specific experience in the
6 industry that manual intervention on the back end after the
7 interface has done its job and delivered orders can have
8 cataclysmic results on the efficient delivery of resale
9 services and unbundled elements.

10 If there is any manual intervention between a
11 CLEC's OSSs and the incumbent's OSSs, you have the potential
12 for introducing errors and delays.

13 MR. WELCH: Thanks.

14 Would any of the other panelists like to respond
15 to that?

16 MS. HAM: I would.

17 MR. WELCH: Elizabeth?

18 MS. HAM: Thank you.

19 As I said in my opening statement, we believe that
20 we have met the requirement. We also agree with Stuart. We
21 do not want manual processes in Southwestern Bell. They are
22 expensive on the human size, and we agree that any type of
23 fallout may delay the process.

24 We also are working diligently to flowthrough as
25 much of the EDI application to application transactions and

1 capabilities as possible. What we have done is to focus on
2 the high volumes. There will be some manual fallout and
3 some manual handling on unbundled network elements because
4 that does not, at least in our market, seem to be where the
5 high volume is currently. The high volume is in resale,
6 whether you are using an EDI Gateway or whether you are
7 using our proprietary interface.

8 There are certain orders that we do not process
9 for ourselves in a mechanized environment. They are manual.
10 When we do develop a mechanized process for any of those
11 order types for our own retail operations, we will pass
12 along the same capabilities to the CLECs who are using our
13 proprietary interfaces.

14 MR. WELCH: I am going to turn to Kalpak Gude to
15 ask the next question, please.

16 MR. GUDE: This is directed initially at least at
17 Charlotte.

18 Please discuss how your state has addressed the
19 pricing issues for OSS access for various resold services
20 and network elements. Are costs of OSS included within the
21 charges for those services and elements, or have you
22 approved separate charges for electronic interfaces and OSS
23 access?

24 MS. TERKEURST: Luckily Kalpak had told me he was
25 going to ask me this question, so I worked with my staff

1 over the last day or two trying to come up with the best
2 answer to that that we could.

3 There are a lot of different ways in which the
4 costs of OSS are being handled in Illinois. We did have a
5 completed docket on pricing of resale services, and the
6 pricing has been established for them. Basically the costs
7 of OSS were considered in establishing the net cost in the
8 resale formula, so it was factored into the existing rate
9 structure of wholesale services.

10 There is a service ordering charge. It is
11 different than the service ordering charge for a retail
12 service, and part of the difference reflects the cost of the
13 OSS. That is my understanding of how that works.

14 MR. LENAHAAN: Can I clarify?

15 MS. TERKEURST: Yes.

16 MR. LENAHAAN: Again just to divide the OSS into
17 two pieces, the interface cost is the cost that was included
18 in the wholesale rate. The computer cost of maintaining the
19 Legacy systems is the cost of running the business and would
20 be recovered in the retail rates generally.

21 It is the unique cost of implementing an EDI
22 Gateway, etc., etc., but that is a small portion of the cost
23 of maintaining the electronic Legacy systems.

24 MS. TERKEURST: So the formula starts with the
25 retail rates, subtracts out the costs that are saved as a

1 result of it being a wholesale service offering, and then
2 adds back in the additional costs that are created by the
3 OSS and other costs of operating in the wholesale
4 environment.

5 On the unbundled network elements side, we
6 established interim rates in the arbitration dockets and are
7 in the process now of litigating a case that will establish
8 permanent rates for Ameritech. How you handle OSS costs is
9 an issue in that case.

10 Ameritech is proposing prices for service ordering
11 and other rate elements that are based on their view of the
12 cost of providing OSS. Other parties are arguing that the
13 costs that Ameritech are proposing are too high.

14 For example, Ameritech's costs are based on the
15 ASR interface that requires manual intervention. The
16 parties are arguing that the service ordering costs should
17 be based on an EDI type interface that would, in their view,
18 have much lower costs than the ASR interface. That is it in
19 a nutshell. It is still pending.

20 MR. WELCH: Pat or Wayne, would you like to
21 comment on the pricing at all? Do you have any thoughts?

22 MR. FONTEIX: I am not personally familiar with
23 the litigated case that Charlotte just referenced, but I did
24 want to make clear that AT&T's position is where there are
25 costs incurred in transacting business, obviously in a

1 typical commercial relationship that cost is recovered in
2 the supplier charges to the customer.

3 Where we disagree is in the notion that all the
4 costs required or incurred in establishing the interfaces to
5 support competition are borne by the competitors alone.

6 MR. WELCH: Pat?

7 MR. SOCCI: TCG changed the focus a little bit.
8 We are more concerned with the overall process. You can
9 have an EDI interface, but what happens beyond that? The
10 net result, we believe, is you monitor from beginning to end
11 what is the on time performance.

12 For example, last week on time performance with
13 the ILECs was 35 percent for circuit turn up and testing,
14 whereas by our own standards it is at least 95 percent.
15 Anything below 95 percent, you have a lot of explaining to
16 do internally.

17 Our focus is not just the EDI interface, but
18 rather what is the performance of the overall process. Are
19 the circuits turned up on'time? Are the circuits
20 provisioned properly? Do they work the first time? Do they
21 work right the first time, or is there a lot of rework?

22 EDI and interfaces and GUIs, and I love the
23 technology because I am a technologist, but the net result
24 is I do not think we should fall in love with the
25 technology, but look at the overall process and what is the

1 performance because that is what ultimately determines
2 whether we have effective local competition or not.

3 MR. WELCH: Charlotte?

4 MS. TERKEURST: There is one more thing that I
5 forgot to mention that is a big component in determining how
6 these costs should be assessed is the anticipated demand
7 over which you spread the start up costs. The numbers in
8 the pending case can range. The end result can vary by a
9 factor of ten just based on what kind of demand assumptions
10 you are using.

11 MR. WELCH: Wayne, if I could ask you to address
12 this question, please?

13 At AT&T, what interfaces have you tested or used?
14 Which specific interfaces seem most satisfactory? Which are
15 the least satisfactory? If you could, please describe the
16 problems associated with the interfaces.

17 MR. FONTEIX: We are in the process of testing
18 several interfaces around the country. As you know, we are
19 in the market in California. We are in the market in
20 Illinois and Michigan. We are in the market in Connecticut.
21 We are in the process of testing interfaces with pretty much
22 all of the other incumbent RBOCs with the exception
23 generally of U.S. West right now.

24 We have recently begun EDI testing with some
25 Western Bell. We are pursuing, as has been stated before,

1 some testing of interfaces at a very initial stage for the
2 unbundled platform with Ameritech.

3 The bottom line here is on the EDI interfaces,
4 which clearly is AT&T's interface of choice as a large
5 volume carrier, these interfaces and where they are being
6 implemented today, and they are at the very early stages of
7 implementation, are just in the initial stages of testing in
8 limited cases.

9 We have still ongoing discussions to try to close
10 on the business rules I referred to. We understand the
11 pipe. We understand the interface on the pipe. We need to
12 have the business rules on either end of that pipe
13 established so that we do not pass orders that get rejected
14 because we do not have comparable edits on our end of the
15 interface to what the incumbent has. There is a lot of work
16 to be done on that as well. It is not simply the interface,
17 but the rules surrounding it.

18 Stuart is absolutely right in regard to the large
19 carriers and the use of the proprietary interfaces or the
20 Web/GUI interfaces. It puts us in the position of having to
21 do double entry into our systems, as well as directly into
22 the Legacy systems or into the Web/GUI interface. Literally
23 at any kind of volume, that is not efficient.

24 Unquestionably, EDI is our interface of choice,
25 and we are in the very early stages of testing that.

1 MR. WELCH: Does anyone have anything to add to
2 that?

3 Elizabeth?

4 MS. HAM: Yes, just one thing. AT&T is also
5 testing in our market our proprietary interface for
6 residential resale services. That testing began this month.
7 From what I am hearing from both the AT&T operations side
8 and our operations people is that the test is going very
9 well.

10 As to any kind of implementation, there are start
11 up issues that you have with any issue, but we feel that we
12 have a good test going. I think it is to the credit of AT&T
13 that they have done sufficient training on our proprietary
14 interface prior to beginning the trial and using the system.

15 MR. FONTEIX: Could I just add one point? We are
16 absolutely pursuing a test to implement the consumer areas
17 with Southwestern Bell, which may seem to be in conflict
18 with our standard objective of moving to EDI interface.

19 This is an issue of timing. We have a very, very
20 strong parity to get into the market yesterday. The EDI
21 interfaces are not ready to support that market entry today.
22 We need to take what is available on that basis such as the
23 proprietary basis to accomplish market entry today with the
24 stated need to move to a parity basis on EDI.

25 MR. LENAHAN: I would like to add one thing and

1 encourage AT&T in those markets where it is entered in
2 Illinois and Michigan. I think they are beyond testing, and
3 they are into commercial sales. If they would accelerate
4 their testing and use some pre-ordering, the quality of the
5 orders they are able to submit would improve dramatically.
6 We would encourage AT&T to start using the pre-ordering
7 interfaces that are in place.

8 MR. WELCH: Pat?

9 MR. SOCCI: Yes, Richard. Just a little back
10 drop.

11 We do a reasonable amount of business with the
12 interexchange carriers. We are the vendor. They are the
13 customer. We provide the local loop. We have built
14 interfaces to all the interexchange carriers. Since we are
15 the vendor and they are the customer, obviously we have to
16 meet their needs. It is American capitalism at its finest.

17 We find now where we are interacting with the
18 ILECs, they are the vendor, and we are the customer, but yet
19 we have to adhere to their requirements. The paradigm has
20 broken down.

21 The net result is we are playing around with
22 various ILECs, with dialogue interfaces, Internet access
23 interfaces. They are all very costly, not so much from the
24 interface aspect, but the additional human resource because
25 now they have essentially broken every single process that

1 we have in our company for ordering, provisioning,
2 maintenance and repair.

3 We now have to have a special group of people to
4 deal with these special interfaces. They vary from ILEC to
5 ILEC to ILEC. In essence, they have broken all of our
6 processes, and it is very expensive.

7 I agree with AT&T. EDI is really the way to go,
8 but our position is we look at the overall process.
9 Whatever will give us effective competition in the local
10 markets at least cost, that is what we will be happy to do.

11 MR. WELCH: Venkates, if I could ask you to look
12 into the future and do a little predicting here?

13 What can we expect incumbents to do in the near
14 term, for example, the next six months, to obtain ordering
15 and provisioning? Are the methods of access available today
16 likely to be long term solutions to the telecommunications
17 industry needs as it moves to a more competitive
18 environment? What trends or innovations can you predict as
19 likely or desirable for the industry over the upcoming
20 years?

21 MR. SWAMINATHAN: Good question. Several points
22 about that.

23 First of all, before I get to the specifics of the
24 question, I just want to say one other thing. There is a
25 common assumption made that if an ILEC provides a GUI for a